

General Environmental Incident Summary

Incident: 3762 **Date/Time Notice:** 5/27/2015 **DEM Incident No:**
Responsible Party: CHS Inc.
Date Incident: 5/26/2015 **Time Incident:** 1030 **Duration:** 3 hours
County: Stutsman **Twp:** 141 **Rng:** 63 **Sec:** 33 **Qtr:**
Lat: 46.98788 **Long:** -98.67848 **Method:** Interpolation from map
Location Description: Mile Marker 6 North of Jamestown on Hwy 20

Submitted By: Eric Pearson **Affiliation:** CHS Inc.
Address: 4115 27th Ave N
City: Grand Forks **State:** ND **Zip:** 58203

Received By:

Contact Person: Eric Pearson
4115 27th Ave N
Grand Forks, ND 58203

Distance Nearest Occupied Building: 1 Miles **Release Contained:** Yes

Type of Incident: Vehicle Accident

Description of Released Contaminant: Diesel Fuel

Volume Spilled: 2900.00 gallons **Ag Related:** No

EPA Extremely Hazardous Substance: No **Reported to NRC:** Unknown

Cause of Incident:

Semi Tractor and Trailer rolled over into ditch. front compartment leaked approximately 2900 gallons of diesel fuel.

Risk Evaluation:

None, contained in small area in ditch. Fuel to be removed starting in the morning of the 27th of May.

of Fatalities: 1 **# of Injuries:** **Affected Medium:** 04 - water and soil

Potential Environmental Impacts:

Very low potential of environmental impact once product is removed.

Action Taken or Planned:

Ditch was dyked at each end with clay/gravel/sand. booms and pads were placed into the ditch (with non-moving water) West Central Environmental is on scene to remediate the site.

Wastes Disposal Location: Working on a local landfill to accept the fuel soaked rags and booms.

Agencies Involved: State Highway Patrol, Local Fire Department, Local Law Enforcement, Local Emergency Manager

Updates

Date: 5/26/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

I contacted the CHS rep late afternoon; he indicated that the crews are en route. The off-loading truck had not been to the site yet, but it is on the way. He was still a half hour out.

Date: 5/26/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

I contacted the CHS personnel that were en route to the accident site from Grand Forks. The rep indicated that a spill report will be submitted as soon as he and the cleanup crews can assess the scene. He was in the process of contacting the cleanup crew and other people that will need to be involved.

Date: 5/26/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

The NDDoH received a call from the local health district personnel; they had been requested to come to the site. The NDDoH was able to contact the local emergency manager who indicated the fire chief was requesting the presence of local health district staff. NDDoH contacted the fire chief. He was just making sure that the spilled fuel was cleaned up after they left the scene. The chief indicated that the tanker was on its side and losing product. The road crew had plugged two culverts near the accident. There was water in the ditch. The chief indicated that he would have local sheriff department personnel call the NDDoH with more updates. Sheriff department personnel at the scene called, indicating that the driver had been removed and the truck was losing No. 2 diesel from the front compartment of the tanker trailer. A door on the front part had been latched by the rescue personnel. The truck is owned by CHS, and contact had been made with the company safety personnel. As sheriff office personnel were updating the NDDoH, an employee for CHS gave another contact (for CHS) who would coordinate the cleanup.

Date: 5/26/2015 **Status:** Reviewed - Follow-up Required

Author: Espe, Brady

Updated Volume:

Notes:

Due to quantity and type of contaminant and the location of the incident, followup is necessary.

Date: 5/27/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

Talked to CHS personnel at the site. The cleanup company is using absorbent pads to soak up free product. Booms have been placed at both ends of the impacted area. A container is being brought in today to dispose of the used absorbent pads. The pads will be hauled to an approved landfill. They will work on soil cleanup after the free product has been removed.

Date: 5/29/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

The responsible party have had good success removing the free product from incident site. Their contractor has used a Vac Truck to remove the bulk material and has used that in combination with absorbent booms, spill pads, and other absorbent materials to remove the spilled fuel. Absorbent materials were placed into lined rollofs to contain any fuel. Absorbent boom and containment boom were left in place to prevent any spreading and to absorb any remaining product. These will be checked next week and replaced if necessary. The responsible party will be working with the contractor on a plan for soil removal and for complete remediation of the site.

Date: 6/2/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume: 2580.00 gallons

Notes:

Currently, approximately 90-95% of the free product has been recovered. The total amount of the spill is revised to 2580 gallons. Through efforts, between 2400 and 2500 gallons have been recovered. The use of absorbents is continuing and they are being changed every couple days as they collect product. Three of the booms were changed Monday but many of them still looked in good shape. Booms will be checked again on Thursday. There is very little product in measurable amounts to target any spill pads and/or collection. As was discussed on the phone with the responsible party, the course of action this week is to continue to monitor the absorbent pads for any product. It appears the natural process to breakdown the product is in full swing, as signs of this are being observed. Once the water is observed to go down a little, the work of monitoring the soil for "hot spots", where product may have collected in the soil, will start. The use of absorbent booms and replacing them as needed continues.

Getting equipment into the area has been unsuccessful. It sinks due to the wetness.

Date: 6/11/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

PID readings taken on June 9th, 2015. At that time some of the absorbent boom material was changed and replaced, but it was not saturated and seemed to be somewhat limited in what material was being recovered. The contractor conducted hand auger borings at the 6 inch and 1 foot levels. The contractor also applied a bioremediation solution to the ditch water to aid in the breakdown of remaining material.

The responsible party plans on re-visiting the site during the week of June 22-26th to assess the site and change any remaining absorbent boom, apply more bio-remediation solution, and to check water levels in the ditch. Their next visit is planned to be during the week of July 6-10th to conduct more hand auger borings to assess the further breakdown of remaining material. It is felt that the initial removal of over 90% of the fuel (realized and estimated) was the most beneficial factor in the positive response seen from the site. The site is being monitored and there are concerns about having larger equipment on site due to the softness of the surrounding soils. A Bobcat initially tried to get into the site and was immediately stopped and sank because the soils were too wet.

Once soil borings have reached an acceptable level, our final plans include a tilling of the site and replanting of the grass with removal of the ditch plugs.

Date: 6/26/2015 **Status:** Inspection

Author: Espe, Brady

Updated Volume:

Notes:

Update on the cleanup.

Date: 7/20/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

Received information on the progress of the site cleanup.

Date: 7/21/2015 **Status:** Awaiting Documentation

Author: Espe, Brady

Updated Volume:

Notes:

Waiting on lab results.

Date: 8/20/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

Received results on samples collected from the site in July.

Date: 8/21/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

Will be resampling the high areas and submitting the results.

Date: 9/18/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Volume:

Notes:

Received final sample report showing levels below action levels. The company contact indicated that the area will be leveled and reseeded. "No Further Action" letter was sent.